

State of Delaware

Department of Natural
Resources and
Environmental Control

Division of Air Quality



*Annual
Title V Fee
Committee
Status
Report*

Calendar
Year
2021

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This report meets the requirements of 7 *Del. C.* Chapter 60, Subchapter VIII, Section 6097(1)

Table of Contents

Section	Page
Introduction.....	1
Title V Fee Committee.....	2
Billing.....	3
Overall Program Costs.....	3
Fees Collected.....	4
Delinquent Facilities.....	5
Fee Structure (2021-2023).....	6
Current Staffing Levels.....	7
Program Accomplishments.....	8
Title V Permitting Activities.....	8
Title V Compliance Activities.....	9
Title V Enforcement Activities.....	9
Title V Planning Activities.....	10
Title V Emission Inventory Activities.....	12
Title V Air Monitoring Activities.....	12
Title V Small Business Ombudsman Activities.....	13
Other Special Accomplishments.....	15
Appendix A (2021 Title V Monthly Expense and Revenue).....	19
Appendix B (12/31/21), DAQ Organizational Chart).....	20
Appendix C (Facility Hours and Emissions History).....	21

Introduction

Title V is an air pollution control program, based in federal law, designed to standardize air quality permits and the permitting process for major sources of air emissions across the country. The name "Title V" comes from Title V of the 1990 Federal Clean Air Act Amendments, which required that the U.S. Environmental Protection Agency (EPA) establish a national operating permit program. Accordingly, EPA adopted regulations [Title 40 of the Code of Federal Regulations, Chapter 1, Part 70 (Part 70)] which required states and local permitting authorities to develop and submit a federally enforceable operating permit program for EPA approval. As a result, the State of Delaware developed 7 DE Admin. Code 1130.

Section 502(b) of the 1990 Clean Air Act Amendments requires that all sources subject to the permitting requirements under Title V of the 1990 Clean Air Act Amendments pay an annual fee, sufficient to cover all reasonable (direct and indirect) costs required to develop and administer the permit program. These requirements were incorporated into 7 *Del. C.* Chapter 60, Subchapter VIII. These fees must be reviewed periodically (currently every three years) before the authorization expires to consider adjustments. In the State of Delaware, these annual fees are paid by both "Major Sources" and "Synthetic Minor" sources. EPA defines a Major Source as a facility that emits, or has the potential to emit (PTE) any criteria pollutant or hazardous air pollutant (HAP) at levels equal to or greater than the Major Source Thresholds (MST). The MST for criteria pollutants may vary depending on the attainment status and non-attainment classification (e.g. moderate, serious, severe, extreme) of the geographic area in which the facility is located. Sources may also elect to take voluntary limits to reduce their PTE to below the MST. These sources are called Synthetic Minor sources.

The Title V revenue is intended to ensure a stable level of support for the technically complex activities undertaken by the Department of Natural Resources and Environmental Control (DNREC or the Department) to ensure both protection of human health and the environment and a reasonable level of service to customers seeking permits and other services. The services provided by the Department, supported wholly or partially by this Title V fee revenue, are summarized in a later section of this report called "Program Accomplishments" and include:

- Permitting activities;
- Compliance activities;
- Enforcement activities;
- Planning activities;
- Emission inventory activities;
- Air monitoring activities;
- Portion of Small Business Ombudsman activities; and
- Other special projects/accomplishments.

These activities and the fees required to support this work are consistent with the EPA guidance for Title V programs. This report is intended to provide a reasonable amount of accountability for those activities and the fees assessed.

2021 Title V Fee Committee Status Report May 1, 2022

Title V Fee Committee

Delaware Statute established the Title V Operating Permit Program Advisory Committee¹ (also known as the Title V Fee Committee herein) and specified that the membership of this committee include certain emitting business interests as well as members of the public and non-governmental organizations. The purpose or charter of the Title V Fee Committee is to assess whether the fees collected pursuant to 7 *Del. C.* Chapter 60, Subchapter VIII are adequate to ensure the effective implementation of the Program and to make recommendations to remedy or improve any deficiencies or elements of the Program.

The Title V Fee Committee, by working together, has expanded its scope to include renegotiating the Title V fee structure periodically prior to expiration to ensure that the eligible financial needs of the Division of Air Quality (DAQ) and other Title V requirements are being met while the payment burden is distributed fairly across the Major Source and Synthetic Minor facilities. Over the past several fee cycles, the DAQ, in coordination with the Committee, established revenue requirements based on Full Time Employee (FTE) staffing levels. The projected staffing levels and supporting salaries set the basis for the total Title V annual revenue for the subsequent three-year fee cycle. Once the revenue target is set, the Title V Fee Committee works with the Major and Synthetic Minor Sources to determine how the fees will be distributed fairly.

The Title V Fee Schedule for 2021-2023, which was supported by the Title V Fee Committee, was presented to the Delaware General Assembly through Senate Bill 249. It was passed by the Senate on June 23, 2020, passed by the House on June 25, 2020 and was signed by the Governor on August 6, 2020. The current legislation can be found in 7 *Del. C.* Chapter 60, Subchapter VIII and is available at: <http://delcode.delaware.gov/title7/c060/sc08/index.shtml>.

The Title V Fee Committee met in 2021:

- September 17, 2021: The Committee met to review 2020 Annual Report and discuss scheduling of next meeting for fee negotiations.

The materials from each of these meetings are available for review at:

<https://dnrec.alpha.delaware.gov/air/permitting/major-air-sources/title-v-committee/>

¹ 7 *Del. C.* Chapter 60, Subchapter VIII § 6099 requires that the Committee "...include, but not be limited to, the Secretary of the Department of Natural Resources and Environmental Control, or the Secretary's duly appointed designee; the Director of the Division of Air Quality, or the Director's duly appointed designee; 2 members who will represent stationary sources; 1 to be a member of the Chemical Industry Council; a member of the Delaware State Chamber of Commerce; a member representing a public utility; 2 members of a nationally affiliated or state environmental advocacy group; and the chairpersons of the House and the Senate Natural Resource Committees. The Secretary of the Department of Natural Resources and Environmental Control shall serve as the Chair of this Committee."

2021 Title V Fee Committee Status Report

May 1, 2022

Billing

The Title V invoices for Calendar Year 2021 were mailed in January 2021. Facilities could choose to pay their bill in one payment or in quarterly payments. If the facility chose to pay their bill in one payment, it was due 30-days after the invoice date. If the facility chose to pay their bill in quarterly payments, the payments were due on February 15th, May 15th, August 15th, and November 15th. If a facility does not pay their bill, they are considered overdue and will be sent three reminders. The third reminder is sent certified mail. A source is considered delinquent if their bill was not paid in full by December 31, 2021. Any delinquent source shall be subject to a 2% compounding monthly interest rate for each month delinquent. Furthermore, consistent with the legislation, the Department has the authority to revoke a permit on the sole basis that the annual fee has not been paid.

Overall Program Costs

See Table 1 for a summary breakdown of Calendar Year 2021 Title V Costs.

Table 1: 2021 Title V Costs

Salary	\$2,223,139.62
Travel	\$0.00
Contractual	\$263,571.05
Supplies	\$20,409.83
Capital Outlay	\$4,080
Additional Support Services	\$342,608.60
Total	\$2,853,809.10

Note: While the state operates on a fiscal year basis (July 1 - June 30), the Title V fees are billed and spent on a calendar year basis. Consequently, some “Additional Support Services” costs, charged by other programs/organizations, may be expended outside of CY 2021 cost factors.

Note: 2021 Title V Account Annual/Monthly statement is presented in Appendix A.

Note: Items covered under the ‘Contractual’ category include: Fleet charges (vehicle rentals), building rent, utilities, vendor payments, temp services, and upkeep of some air monitoring equipment.

Note: Items covered under “Additional Support Services” include: Information Technology (\$14,226.82), the Environmental Crimes Unit (\$301,675.55), and Office of the Secretary Support (\$26,706.23).

2021 Title V Fee Committee Status Report

May 1, 2022

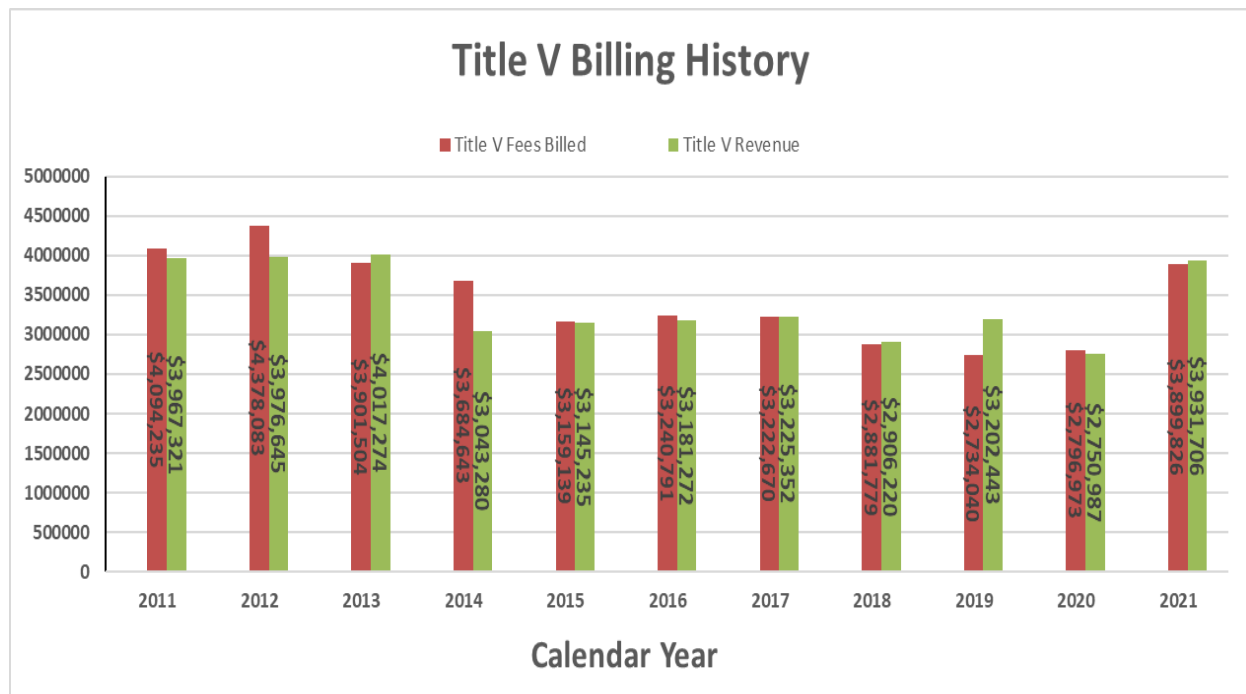
Fees Collected

Title V fees are billed on a calendar year basis (January 1 through December 31) and the 2021 Title V revenue is determined by the actual monies deposited into the Title V account during calendar year 2021 only. The final revenue is impacted by interest gained on the Title V account, quarterly payments, and some early payments that may be received and deposited in December 2020 for 2021 fees. This makes comparing revenue and fees collected difficult.

For CY2021, **73** Synthetic Minor and **49** Title V facilities were billed. A total of **\$3,899,826.68**, including previous years' back fees, was billed. Of the total amount billed, **\$3,821,514.32** was collected and **\$39,722.20** is delinquent. The difference of **\$39,722.20** was the result of three facility's non-payment of fees and late fees assessed in 2021 delinquent balances (see Table 5). Any back fees that are collected in 2022 will be counted towards the 2023 revenue.

The Calendar Year 2021 Title V revenue was **\$3,931,706.71**. See Figure 1 for a history of Title V billing and revenue since 2011.

Figure 1: Title V Billing and Revenue History 2011-2021



2021 Title V Fee Committee Status Report May 1, 2022

On December 31, 2021, the Title V cash carryover balance was **\$3,736,840.25** (see Table 2). Table 3 below captures the carryover balance history, while Table 4 predicts the carryover balance for end of year 2022.

Table 2: Title V Carryover Balance Calendar Year 2021

	2021
2020 Carryover Cash Balance	\$2,658,942
2021 Title V Fee Revenue	\$3,931,707
Sub-Total	\$6,590,649
2021 Total Expenses	\$2,853,809
2021 Actual Carryover Balance	\$3,736,840

Table 3: Title V Carryover Balance History by Calendar Year

	2016	2017	2018	2019	2020	2021
Total Title V Fee Revenue	\$3,181,272	\$3,225,352	\$2,906,220	\$3,202,443	\$2,750,987	\$3,931,707
Total Expenses	\$3,141,964	\$3,232,830	\$3,626,944	\$3,247,684	\$2,885,136	\$2,853,809
Actual Carryover Balance	\$3,612,029	\$3,559,156	\$2,838,432	*\$2,793,092	\$2,658,942	\$3,736,840

*Corrected 2019 Carryover Balance

As previously noted, the Title V revenue is determined by the actual monies deposited into the Title V account during a calendar year. The final revenue is impacted by interest gained on the Title V account, quarterly payments, and some early payments that may be received and deposited in one year for the next year's fees.

Table 4: CY2022 Title V Carryover Balance Projection

	2022 Prediction
2021 Actual Carryover Balance	\$3,736,840
Estimated 2022 Title V Revenue	\$3,833,214
Estimated 2022 Total Expenses	\$3,451,392
2022 Projected Carryover Balance	\$4,118,662

The 2022 revenue prediction in the above calculation was based upon the total amount of actual fees billed for 2022 to include overdue fees from previous year billings. The 2022 total expenses prediction was based upon projected 2022 salary expenses for an average staffing level of 98%. For additional expense categories, the five-year averages plus an additional 2% cost of living expense for 2022 was used.

Delinquent Facilities

Consistent with legislative requirements and the Department collection policy, the Division of Air Quality first reported delinquent facilities in the 2014 Annual Report. As of the date of this report, Table 5 (below) provides a status update for the facilities reported delinquent for 2021.

2021 Title V Fee Committee Status Report
May 1, 2022

Table 5: 2021 Delinquent Facilities

Facility Name	Amount Due	Recovery Actions
Coker Concrete	\$15,506.99	Facility did not pay a portion of 2021 fees. Notified facility of delinquency and late fee assessed due to delinquency. Payment expected as soon as possible.
Delaware State University	\$600.85	Facility did not pay portion of 2021 fees. Facility notified and billed for delinquent fees. As of February 2022 past fees are paid in full.
First State Investors	\$23,614.36	Facility did not pay 2021 fees. Facility notified and billed for delinquent fees. Payment expected as soon as possible.
TOTAL	\$39,722.20	

Fee Structure CY 2021-2023

The new Title V Fee Schedule for CY 2021-2023, which was supported by the Title V Fee Committee, was presented to the Delaware General Assembly through Senate Bill 249. It was passed by the Senate on June 23, 2020 and passed by the House on June 25, 2020, and was signed by the Governor on August 6, 2020.

This legislation updated the fee assessments based on the work of the Title V Operating Permit Program Advisory Committee and makes additional clarifying updates to the fee provisions. For 2021-2023, the total fee will be comprised of a base fee, user fee, and a program fee. Base fees are based on the number of staff hours spent on the source's permitting, compliance, and enforcement activities, while the user fee is based on the source's air emissions. The program fee will be assessed based on the total base and user fees. Additionally, the fee credit program implemented to reduce a prior fund balance was allowed to sunset as scheduled on December 31, 2020.

Table 7: Calendar Year 2021 through 2023 Title V Fee Schedule

Fee Type	Category	Category Description	2021 - 2023 Fees
Base Fee	A	> 6,000 Hours	\$277,020
Base Fee	B	5,001 – 6,000 Hours	\$108,300
Base Fee	C	4,001 – 5,000 Hours	\$93,480
Base Fee	D	3,001 – 4,000 Hours	\$80,940
Base Fee	E	2,001 – 3,000 Hours	\$57,000
Base Fee	F	1,501 – 2,000 Hours	\$42,180
Base Fee	G	1,001 – 1,500 Hours	\$28,500
Base Fee	H	667 – 1,000 Hours	\$18,240
Base Fee	I	334 – 666 Hours	\$9,120
Base Fee	J	0 – 333 Hours	\$5,700

2021 Title V Fee Committee Status Report
May 1, 2022

Fee Type	Category	Category Description	2021-2023 Fees
User Fee	1	> 2,000 Tons	\$350,000
User Fee	2	1,001 – 2,000 Tons	\$100,000
User Fee	3	501 – 1,000 Tons	\$60,000
User Fee	4	201 – 500 Tons	\$28,000
User Fee	5	101 – 200 Tons	\$12,000
User Fee	6	51 – 100 Tons	\$9,000
User Fee	7	26 – 50 Tons	\$6,000
User Fee	8	6 – 25 Tons	\$4,100
User Fee	9	0 – 5 Tons	\$3,950

While the base and user fees categories and amounts remain the same (see Table 7 above) the program fees are described below in Table 9.

Table 9: Program Fees

Category	Total Base and User Fees	Fee Amount
PF1	Total Base and User Fees greater than \$125,000	\$38,250
PF2	Total Base and User Fees \$100,000 - \$124,999	\$34,425
PF3	Total Base and User Fees \$50,000 - \$99,999	\$22,950
PF4	Total Base and User Fees \$25,000 - \$49,999	\$11,475
PF5	Total Base and User Fees \$15,000 - \$24,999	\$6,120
PF6	Total Base and User Fees \$10,000 - \$14,999	\$3,825
PF7	Total Base and User Fees < \$10,000	\$3,060

Current Staffing Levels

The Division's end of calendar year 2021 staffing level was 93% and 4 positions were vacant. See Table 10 for a breakdown of the staffing levels for the Sections and Groups within the Division.

Table 10: Division of Air Quality Staffing Levels (12/31/2021)

Section/Group	Authorized	Occupied	Staffing Level
Director's Staff	2	1	50%
Analytical Support Group	2	2	100%
Operations Support Group (OSG)	4.5	4.5	100%
Engineering & Compliance Section	23.5	21.5	91%
Planning Section	28	27	96%
Total	60	56	93%
Temporary Positions	2.0	0.0	0%
Seasonal Positions	2.0	1.0	50%

During CY2021 positions were reclassified and redistributed across the Division. Additionally, twelve full-time employees retired or separated, and seventeen additional full-time employees were hired. See Table 11 for a list of hiring actions taken in calendar year 2021.

2021 Title V Fee Committee Status Report
May 1, 2022

Table 11: Calendar Year 2021 Hiring Actions

Date	Name	Source	Position	Section	Funding
3/1/21	Sheeron Fuller	External	Management Analyst II	OSG	Grant/TV
5/31/21	Angela Marconi	Internal	Director	DAQ	Grant
6/7/21	Christian Wisniewski	Internal	Engineer III	Planning	Grant
6/8/21	Tristan Bostock	Internal	Env. Scientist II	ASG	TV
6/20/21	Amy Mann	External	Program Manager I	E/C	Grant/TV
6/24/21	Jana Pezanowski	External	Env. Program Mgr. II	Planning	Grant/TV
7/5/21	Taylor Englert	Internal	Engineer I	Planning	Grant
7/5/21	Luke Stirparo	External	Engineer I	E/C	Grant/TV
7/19/21	Kyle Krall	External	Engineer I	Planning	Gen Funds
7/19/21	Kelsey Pangman	External	Env. Scientist II	Planning	Grant
8/16/21	Jacob Jackson	External	Engineer I	E/C	TV
9/6/21	Amy Mann	Internal	Program Administrator	E/C	Grant/ TV
9/13/21	James Roberts	External	Env. Scientist II	Planning	Grant/TV
9/13/21	Eric Wright	External	Env. Scientist II	Planning	Grant/TV
9/13/21	Carolyn Cook	External	Env. Scientist II	Planning	Grant/TV
9/27/21	James Coverdale	Internal	Program Manager II	Planning	Grant
9/27/21	Sheeron Fuller	Internal	Management Specialist III	OSG	Grant/TV
9/27/21	Cynthia Williams	External	Administrative Specialist I	E/C	Grant/TV
10/11/21	Melissa Beck	External	Administrative Specialist II	Planning	Grant/TV
10/11/21	Darren Foraker	External	Env. Scientist II	Planning	Grant/TV
11/21/21	Tracy Mattson	Internal	Management Analyst II	OSG	Grant/TV
12/6/21	Liam Fisher	External	Env. Scientist II	Planning	Grant
12/20/21	Noura Abualfaraj	External	Engineer I	E/C	Grant/TV
12/20/21	Jordan Mack	External	Engineer I	E/C	Grant/TV
12/20/21	Monique Akinsiku	External	Administrative Specialist II	OSG	Grant/TV

In August of 2019, the Division's authorizations were reduced from 61 to 60 full time positions.

The DAQ organizational chart, dated December 31, 2021, is depicted in Appendix B.

PROGRAM ACCOMPLISHMENTS

2021 Title V Permitting Activities

DAQ is responsible for all permitting activities at Title V and Synthetic Minor facilities. In calendar year 2021, the following permitting activities were accomplished:

No new Title V Permits were issued;

- 8 Title V Permit Renewals were issued;
- 3 Title V Significant Permit Amendments were issued;
- 8 Title V Administrative Amendments were issued;
- 2 new Synthetic Minor Permits were issued;
- 10 Synthetic Minor Permit Amendments were issued

2021 Title V Fee Committee Status Report

May 1, 2022

The Division of Air Quality is required to issue Title V Renewal Permits within 18 months or 547 days of determination of receipt of a complete application as defined by 7 DE Admin. Code 1130 (<http://regulations.delaware.gov/AdminCode/title7/1000/1100/1130.shtml#TopOfPage>). In calendar year 2021, the Division of Air Quality issued Title V Permit Renewals in 1,623 days of application receipt on average. Please note that this figure includes time spent working with facilities to obtain a complete application and includes the time to issue for three applications that were many years overdue. DAQ continues to train new staff and issue permits that have been extended past their initial expiration date. Although the target was not met, the issuance of extended permits is representative of forward progress. DAQ expects this progress to continue through 2021.

As part of the Value Stream Mapping efforts for the Synthetic Minor permitting program, the Division of Air Quality has committed to issuing Synthetic Minor permits and amendments within 120 days of receiving a complete application. In calendar year 2021, DAQ met this goal for construction permits with an average of 87 days. Operation permits were issued with an average of 315 days including construction time. DAQ experienced significant turnover in calendar year 2021 and is working to train new leadership and staff.

2021 Title V Compliance Activities

Many Title V related compliance activities are undertaken by the DAQ each year. These activities include on-site compliance evaluations or inspections, stack tests, and report reviews. Inspections continued throughout 2020 and 2021 in spite of the COVID-19 pandemic. Completing inspections required flexibility from the DAQ staff as well as from facilities. Off-site and virtual observations were used in some cases to limit person to person contact and records reviews were conducted offsite to limit the onsite time for the inspection. These adjustments allowed the DAQ to continue to meet its inspection goals while following safety guidelines. In calendar year 2021, the following compliance activities were undertaken:

- 26 on-site compliance evaluations were conducted at Title V facilities;
- 1 off-site compliance evaluation was conducted at a Title V facility;
- 194 stack tests were conducted at Title V facilities;
- 282 report reviews were conducted for Title V facilities;
- 24 on-site compliance evaluations were conducted at Synthetic Minor facilities;
- 13 stack tests were conducted at Synthetic Minor facilities; and
- 25 report reviews were conducted for Synthetic Minor facilities.

2021 Title V Enforcement Activities

If the compliance activities described above indicate that a facility is not in compliance with requirements, the DAQ will pursue enforcement action against that facility. Enforcement actions may take the form of Notices of Violation, Administrative Orders, Consent Decrees or Agreements, or Stipulated Penalties. In some cases, the Department takes no further action depending upon specific circumstances such as whether the violation was self-reported, minor, isolated and corrected quickly. In other cases, the Department has the authority and may seek, and generally obtains, fines and penalties.

2021 Title V Fee Committee Status Report

May 1, 2022

In calendar year 2021, the following enforcement activities were completed (please note that this does not include pending enforcement activities):

- 10 Notices of Violation were issued to Title V facilities;
- 1 Administrative Order was issued to a Title V facility;
- 1 Settlement Agreement was issued to a Title V facility;
- 3 Notices of Violation were issued to Synthetic Minor facilities;
- No Administrative Orders were issued to a Synthetic Minor facility;
- No Stipulated Penalty Demand Letters were issued; and
- No Consent Decrees were issued

2021 Title V Planning Activities

During 2021, the Planning Section staff continued to adjust to the new normal with COVID-19 pandemic requirements to work remotely.

The Planning Section of the Division of Air Quality was able to successfully accomplish the following Title V related planning activities in calendar year 2021:

- State Implementation Plan (SIP) activities:
 - Continued work on Delaware's second Regional Haze SIP. A public hearing was held on 12/29/2021.
 - Began work on the development of Delaware's second 10-year Maintenance SIP for PM_{2.5}.
 - Received EPA approvals for the Ozone (2015) SIP documents for the Base Year Inventory and the Non-Attainment New Source Review Emission Statements.
- Regulatory Development Activities:
 - Submitted amendments to EPA for approval and inclusion in the SIP (Oct 2021): 7 DE Admin. Code 1124 Sections 33 – Solvent Cleaning.
 - Proposed administrative amendments to 7 DE Admin. Code 1102, 1103 and 1130. (Oct 2021).
 - Adopted administrative amendments to 7 DE Admin. Code 1124 - Control of Volatile Organic Compound Emissions, Sections 26.0 and 36.0 "Stage I/II Vapor Recovery" (Published Apr 2021). Submitted amendments to EPA for inclusion in the SIP (Jul 2021).
 - Continued work on amendments to 7 DE Admin. Code 1124 - Control of Volatile Organic Compound Emissions, Section 33.0 "Solvent Cleaning" and 7 DE Admin. Code 1126 and 1131 - Motor Vehicle Inspection Programs for Sussex, Kent and New Castle Counties.
- Mobile Source Activities including:
 - Participated on Metropolitan Planning Organizations (WILMAPCO and Dover/Kent MPO) Technical Advisory Committee meetings;
 - Met with the Transportation Conformity Inter-Agency Consultation Workgroup to discuss SIP planning for PM_{2.5} and Ozone Attainment;
 - Participated in Vehicle Inspection and Maintenance Activities;
 - Participated on the Clean Air Council Delaware Diesel Difference; the Delaware Clean Air Council; Air Quality Partnership and

2021 Title V Fee Committee Status Report

May 1, 2022

- Conducted the annual vehicle remote sensing study to provide data to 1) evaluate the effectiveness of Delaware's vehicle inspection and maintenance program, and 2) develop strategies to further reduce mobile source emissions.
- Other Planning Activities:
 - Released the results of community air quality studies done in the Eden Park area near New Castle and in the Claymont area. Held two virtual workshops to present the study findings. (Jun 2021).
 - Submitted to the EPA, in accordance with 40 CFR §58.10(a), an annual air monitoring network plan.
 - Provided support to the Coastal Zone program for conducting technical reviews of Coastal Zone applications;
 - Coordinated with the Division of Climate, Coastal and Energy on the development of Delaware's first Climate Action Plan.
 - Continued to provide compliance assistance and oversight to auto body shops, dry cleaners, and gasoline delivery vessels for state and federal air regulations; and
 - Continued to track and provide oversight on vapor recovery tests of regulated gasoline dispensing facilities.
- Litigation and EPA comments:
 - Continued work with the DE Attorney General regarding the U.S. Court of Appeals for the District of Columbia's ruling for EPA's exemption for RICE engines: 50-hour exemption from air pollution control requirements, for RICE engines that participate in demand response programs.
 - Continued to work with the EPA and other states and organizations to address and mitigate the impact of upwind emissions on Delaware's ozone air quality problems.
 - The OTC submitted (Jun 2020) a recommendation under section 184(c) of the Clean Air Act (CAA). OTC recommended that EPA require Pennsylvania to adopt daily limits on emissions of nitrogen oxides from coal-fired power plants with existing SCRs or SNCRs that are at least as stringent as limits in place for plants in Delaware, Maryland, or New Jersey to ensure that controls are optimized throughout the ozone season in order to help downwind states attain the ozone standard by the dates required in the CAA.
 - As a result of the court's decision in 2019 to remand the original Cross State Air Pollution Rule (CSAPR) update on October 30, 2020, the EPA finalized revisions to the CSAPR Update rule to address the remaining interstate pollution-transport obligations under the Clean Air Act (CAA) for the 2008 ozone National Ambient Air Quality Standards (NAAQS). The DAQ submitted comments regarding EPA's proposal.

2021 Title V Fee Committee Status Report May 1, 2022

2021 Title V Emission Inventory Activities

The Emission Inventory Group is part of the Planning Section of the Division of Air Quality. The Emission Inventory Group is charged with preparing all necessary inventories of emissions from all sources of air pollution in the State, including stationary sources, area sources, and mobile sources. The information gathered by the Emission Inventory Group is used in many of the planning activities described above. The information collected includes annual emissions of criteria air pollutants, air toxics, and greenhouse gases.

The Emission Inventory Group accomplished the following Title V related activities in calendar year 2021:

- Contacted all permitted facilities required to report a 2020 emissions inventory by April 30, 2021;
- Deployed an upgraded version of the on-line emissions reporting application for the collection of the 2020 emissions inventory;
- Managed the on-line emissions reporting application and provided guidance to facility representatives during the reporting process;
- Facilitated the collection of 2020 point source emissions inventory reports from 50 Title V facilities;
- Facilitated the collection of 2020 point source emissions inventory reports from 70 Synthetic Minor facilities;
- Performed a technical review of the emissions data submitted by facilities for completeness and accuracy;
- Deployed another upgraded version of the on-line emissions reporting application for the 2020 point source emissions inventory submittal to EPA's Emissions Inventory System; and
- Submitted 2020 point source emissions inventory data to EPA's Emissions Inventory System.

2021 TV Ambient Air Monitoring Activities

The DAQ's Ambient Monitoring Section is responsible for collecting ambient air data throughout the State of Delaware. This data is in support of DAQ's commitment to the citizens of Delaware to provide a healthy environment for every person independent of their economic or social status. The Ambient Monitoring Team is dedicated to analyzing the ambient air criteria pollutants as specified in EPA's National Ambient Air Quality Standard (NAAQS), measure fine particle pollutants (PM_{2.5} & PM₁₀) and select air toxic pollutant measurements reliably and with the highest possible quality. Special Studies are also developed when monitoring indicates there may be issues of concern.

The projects listed below are several of the initiatives to enhance DAQ's monitoring network and improve data quality in 2021:

- Installed standalone shelters at two monitoring network stations which allows continuous particle pollutants monitoring for PM_{2.5}.

2021 Title V Fee Committee Status Report

May 1, 2022

- Installed a True NO₂, NO_x, and NO gas analyzer and continued to develop the State's Photochemical Assessment Monitoring System (PAMS) to ensure participation in the 2022 PAMS season.
- Upgraded two zero air generator analyzers to ensure good data quality.
- Released finalized reports for two special monitoring studies and gave public presentations to the local communities to present data results.
- Continued network improvements regarding Windows PC's and the network's data acquisition system.
- The Monitoring Section faced large staff turnover in 2021 which presented many challenges but were able to adapt and keep the network operating. The section also dealt with a large office renovation which resulted downsizing to a smaller space until the renovation was completed.

2021 Title V Small Business Ombudsman Program Activities

The Small Business Assistance Program (SBAP) within the Department of Natural Resources and Environmental Control (DNREC) is a free service available to all new and existing small businesses located in the State of Delaware. The SBAP can help small businesses understand their environmental requirements and help them comply in the easiest and most effective way. The SBAP is a non-regulatory program. The Small Business Ombudsman (SBO) is part of the SBAP which was created through the Clean Air Act Amendments of 1990. The SBAP is comprised of one staff member, the Small Business Ombudsman, who manages the SBAP.

The SBAP provides the following services:

- Serves as initial contact within DNREC for small businesses;
- Provides specific information for small businesses detailing how to comply with environmental regulations specific to their industry;
- Helps small businesses fill out permit applications, forms and other required paperwork;
- Keeps abreast of developing regulations and current issues impacting small businesses and shares that information with small businesses through workshops, newsletters, trade association meetings, mailings, websites, or other methods;
- Provides feedback to the Division of Air Quality (DAQ) from small businesses;
- Helps resolve permitting and compliance disputes and cuts red tape; and
- Serves as the manager of the Regulatory Advisory Service (RAS).

The SBO serves on the following committees:

- Title V Fee Committee
- Title V Training Subcommittee
- DAQ's Natural Minor Fee Increase Committee
- DAQ's Envirothon Project Team and
- Delaware Envirothon planning committee.

2021 Title V Fee Committee Status Report May 1, 2022

The SBO also serves as the Department's Registrar of Regulations and is responsible for coordinating with the state Office of the Registrar of Regulations.

In Calendar Year 2021 the SBO conducted the following activities.

- Assisted eight businesses through the Regulatory Advisory Service (RAS). Virtual meetings were held for three of the businesses that had more significant permitting requirements.
- Aside from the RAS, provided permit and compliance assistance to 37 entities.
- Communicated with representatives of local chambers of commerce, trade associations, the Delaware Prosperity Partnership, and the Delaware Division of Small Business.
- Served on the Title V Committee's Training Subcommittee that worked to develop air permitting training for the general public. The training sessions were scheduled to be held in person during March of 2020, however, they were postponed due to the Coronavirus pandemic.
- The trainings were subsequently changed to a virtual format and were re-scheduled as one-hour sessions over three Tuesdays in January 2021. Responsible for communications and outreach, scheduling and hosting the virtual training via Webex, registration, and preparing and providing certificates for attendees and presenters.
- Continued to serve on the Natural Minor (Reg. 1102) Permitting Fee Initiative committee tasked with gaining support from the regulated community for a proposed fee increase. Provided support with document review, scheduling/hosting the virtual public workshop via Webex, and outreach efforts, e.g. direct mail letter, dedicated web page.
- As the Department's Registrar, worked with DAQ staff to ensure the Regulatory Development Process steps were being followed. Specific to the DAQ, three Start Action Notices initiating the process were approved, and a total of seven items were submitted to the State Registrar's office for publication in the Monthly Register of Regulations: 3 proposals, 3 finals, and 1 general notice.
- Participated in a variety of outreach events.
 - Continued participating in the *County is Open for Business* events held throughout the year in New Castle and Kent counties. Attended four in-person events and two virtual events. Through these events 64 contacts were made with business entrepreneurs interested in learning about DNREC and potential permit/regulation requirements.
 - Delaware Envirothon - sponsored by the Del. Assoc. of Conservation Districts (competition was switched to a virtual format for the first time ever with teams needing to complete their tests during the period of Apr. 22 - 25)
 - Served as co-chair of the Division of Air Quality's Envirothon project team and as such had shared responsibility for soliciting team members, coordinating planning meetings; preparing meeting notes and updating the online project folder; coordinating the team's efforts in updating the annual training guide; facilitating the recording and posting of the air quality training; and coordinating the development/updating of competition test questions.
 - The 2021 air quality topic was Policy and Point Sources.

2021 Title V Fee Committee Status Report
May 1, 2022

2021 Other Special Accomplishments and Projects

The Division of Air Quality continued to conduct business and meet our responsibilities while responding to the challenges presented by the COVID-19 pandemic. Telework continued for staff through winter and spring. A measured transition back to working in the office took place through the summer at the State Street Commons office in Dover. This continued until the end of the year. In contrast, the Grantham Lane facility spent summer preparing for the asbestos abatement renovation project. This facility-wide effort was led by our Operations Support Group (OSG). Our sister division, Waste and Hazardous Substances graciously hosted our Air Monitoring Group at their Lukens Drive facility during the project. Construction on the Grantham Lane facility continued through the end of 2021.

While the Air Quality Team met the challenges of the pandemic, the Division also participated in many special projects. These special projects may or may not be Title V related. However, the results of these projects often impact Title V activities. In calendar year 2021, the Division of Air Quality participated in a variety of special activities detailed below.

Management and administrative activities including:

- Itemized statements of hours were developed in 2021. Each facility received their hours in their Title V bill in 2022.
- Although initially planned as part of a joint bill to address both the 2021- 2023 Title V fees as well as a Natural Minor (Reg. 1102) permit fee increase initiative, the Natural Minor fee increase was postponed in April 2020. The DAQ has continued to conduct outreach to communicate our plans and to work with members of the General Assembly to explain the importance of establishing a sustainable Natural Minor Fee program.
- The DAQ experienced staff turnover due to attrition and the changing work environments (similar to many companies) throughout 2021. In alignment with our succession planning activities, the leadership team continued to consider how to structure the Division to build a sustainable workforce.
 - Several key positions retired in 2021 including the Division Director and the Program Manager for the Monitoring Group. These vacancies were filled quickly to ensure that programmatic needs continued to be met.
 - A large number of staff are new hires. This is both a challenge and an opportunity. The DAQ is using our regional resources in MARAMA and OTC to ensure that our staff is receiving the training they need to efficiently respond to the needs of the program.
- DAQ secured a third EPA Multi-Purpose Grant to be used to support outreach in the Route 9 community. More information is provided in the outreach activities.

2021 Title V Fee Committee Status Report

May 1, 2022

- DNREC has taken steps to enhance the staff engagement and improve community interaction regarding environmental justice issues. Environmental Justice is a part of all the work we do at DNREC. It is necessary to bring that work to the forefront and ensure equitable opportunities exist for all Delawareans.

Participation in Outreach Activities included:

- Throughout 2019, a Title V training committee worked to plan and prepare training sessions. The intent was to offer in person training in March 2020. This was not possible due to the pandemic. The training sessions were postponed but were successfully conducted virtually in early 2021. The training sessions included a general permitting overview as well as multi-perspective presentations on permitting of generators and boilers. This was only possible due to the support and participation from facility's staff and All4 Inc. The DAQ looks forward to additional training sessions in the future. Videos of the training are available at the following link <https://dnrec.alpha.delaware.gov/air/permitting/training/>.
- Reaching a 10 year milestone, the DAQ worked with the Delaware Envirothon Committee supporting high school level environmental education. Since 2012, Air Quality has been included as a key topic/study area for the Delaware Envirothon competitions. The Division of Air Quality is a Gold Sponsor for the Envirothon program supporting the Delaware and international Envirothon competitions.
- Since the 2020 Envirothon competition was canceled due to the Covid-19 pandemic, the DAQ Envirothon Team decided to use the topic of Policy and Point Sources developed for the 2020 event as the topic for the 2021 event. Ongoing pandemic-related restrictions forced the Team to provide virtual training and to prepare for the first ever virtual Delaware Envirothon competition.
- Educational programs and public outreach events addressing energy conservation;
- Educational programs and public outreach events addressing school-related anti-idling requirements;
- Educational information and public outreach efforts related to open-burning restrictions;
- Air quality awareness outreach;
- Asthma awareness outreach.
- DAQ staff completed reports for two local air monitoring studies. These studies, conducted in Claymont and Eden Park, were in response to community air pollution concerns. Following release of the studies, DAQ staff presented the information to communities using virtual platforms.
- The Eden Park study generated community interest and as a result, DAQ continued to conduct outreach in the community to better understand their concerns. This outreach is ongoing currently. We anticipate the project will include additional local monitoring utilizing grant funds.

2021 Title V Fee Committee Status Report

May 1, 2022

- The DAQ Director has been an active participant in the Community Air Monitoring Network (CAMN). This group is designing and funding projects to educate and empower communities to collect and interact with air monitoring data.
- The DAQ worked with our partners in the Division of Climate Coastal and Energy on Delaware's Climate Action Plan which we released in November 2021.

Department Electronic Content Management (ECM) Activities

The Department is currently undertaking several projects that comprise its overall ECM Initiative. These include an electronic document management system, called DNREctory, and e-Permitting. The DAQ was the first and only division to “go-live” with DNREctory (the system that manages scanned documents) in 2019. The DAQ has continued to participate in efforts to rollout DNREctory to all divisions in the Department. This has included providing perspective from the only division using a production version of DNREctory as changes are contemplated to facilitate Department-wide use. In 2021 DAQ staff conducted training for other Divisions as they were approaching their “go-live”.

The DAQ continues to work with our partners in the Department of Technology and Information and a consultant on the development of the e-Permitting project. Work is ongoing currently for area sources and Regulation 1102 permitting. Future phases of the project will include Title V and Synthetic Minor facilities. The current project schedule anticipates deployment later in 2022 for area sources and Regulation 1102. The DAQ is looking forward to working with our customers as we progress towards implementation.

Operations Support Group

Operations Support Group (OSG) OSG reports directly to the Director but provides support to the entire Division. In 2021 OSG faced several staffing challenges, most notably the retirement of Tony Manson. Mr. Manson worked with other OSG staff to ensure that his knowledge and experience was efficiently transferred and to ensure the ongoing success of the OSG. OSG continued to face the challenge of COVID-19 pandemic requirements during 2021 head-on.

OSG accomplishments during 2021 include:

- Continued utilization of the State Street Commons office (SSC) as the DAQ home base. Where possible, DAQ employees were directed to telework and obtain permission from the Director prior to visiting the SSC or Grantham Lane offices.
- OSG facilitated routing of telephone calls, faxes, and mail as appropriate to SSC, Grantham Lane or Lukens Drive offices.
- OSG continued working with the Delaware Department of Technology and Information (DTI) to ensure that DAQ employees had the appropriate technology to access the intranet by providing laptops as needed to facilitate teleworking. New employees were provided with a DNREC laptop as they came on board and as needed.

2021 Title V Fee Committee Status Report

May 1, 2022

- OSG maintained posted COVID-19 signage at the SSC and Grantham Lane offices reminding visitors and employees to utilize social distancing in office, bathrooms and kitchen spaces.
- OSG continued to provide DAQ personnel with COVID-19 protective equipment including gloves, masks, touchscreen pens, hand sanitizer and sanitizing wipes. Supplies were re-stocked as necessary.
- OSG continued to maintain hand-free sanitizer stations and portable hepa air purifiers at the SSC and Grantham Lane facilities.
- OSG coordinated weekly cleaning services at the SSC and Grantham Lane offices to maintain a safe environment for employees and the public.
- OSG is responsible for the general oversight of maintenance at SSC and Grantham Lane facilities. The SSC facility is a leased facility, therefore all maintenance and repairs are conducted by and coordinated with the owner of that building.
- The Grantham Lane facility is a state-owned property. Therefore, that facility's maintenance and repairs are coordinated with and conducted by the State of Delaware's Division of Facilities Management (DFM) personnel. It is OSG's responsibility to contact DFM when repairs at the Grantham Lane property are needed.
- The Grantham Lane facility began asbestos abatement the week of September 27, 2021. OSG coordinated the following activities pursuant to the abatement and renovation of the building:
 - Coordination with a moving company to provide moving and storage services,
 - Obtaining moving boxes, bubble wrap and strapping tape for employees to pack their non-essential office equipment,
 - Coordination with DTI regarding relocation of mainframe and phone services to ensure continued service,
 - Temporary relocation of laboratory and select staff to DNREC's Lukens Drive office,
 - Obtaining roll-off boxes for removal of office clean-out debris,
 - Packing and storage of office files and office supplies; and
 - Relocation of conference room furniture, televisions, janitorial supplies, select file cabinets, fleet keys, copier and mailboxes to East Wing area as this portion of the building was not being abated and could be sealed off.

Section 502(b)(3) of the Clean Air Act requires that the permitting authority has an adequate, dedicated, and permanent funding stream to develop, implement, and enforce the Title V program. All of the activities that are supported by Title V funds are consistent with EPA guidance for Title V programs. The air monitoring, state implementation planning, regulatory development and facility permitting, compliance and enforcement work for major and synthetic minor facilities supported by Title V funds are essential to the continued maintenance and improvement of Delaware's Air Quality.

Appendix A: 2021 Title V Monthly Expense and Revenue

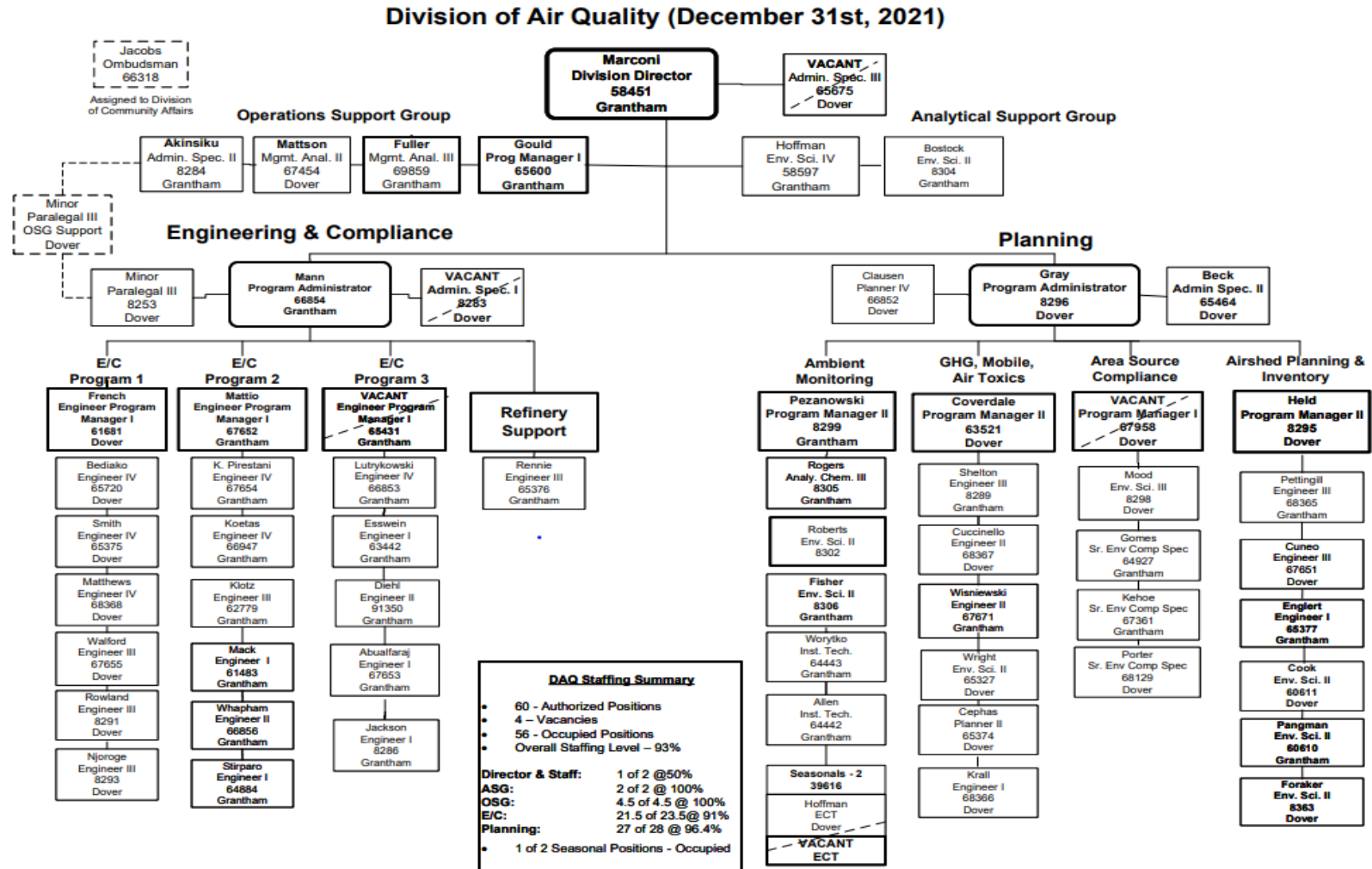
Table 11: 2021 Title V Account Expenses & Revenue								
MONTH	EXPENSES						INTEREST	REVENUE
	Salary	Energy	Travel	Contractual	Supplies	Capital Outlay		
January	\$182,680.08	\$0.00	\$0.00	\$12,490.61	\$624.79	\$0.00	\$3,457.43	\$117,708.68
February	\$162,831.23	\$0.00	\$0.00	\$348,692.84	\$0.00	\$0.00	\$2,805.72	\$818,882.72
March	\$191,511.15	\$0.00	\$0.00	\$31,992.12	\$0.00	\$0.00	\$1,656.28	\$1,826,828.53
April	\$177,311.55	\$0.00	\$0.00	\$13,156.85	\$1,129.73	\$0.00	\$981.71	\$546,135.75
May	\$218,649.74	\$0.00	\$0.00	\$67,117.43	\$11,381.54	\$0.00	\$0.00	\$51,459.04
June	\$185,688.89	\$0.00	\$0.00	\$22,949.32	-\$1,353.70	\$0.00	\$0.00	\$160,155.00
July	\$208,340.53	\$0.00	\$0.00	\$2,147.16	\$227.50	\$0.00	\$0.00	\$699.00
August	\$147,715.86	\$0.00	\$0.00	\$17,718.61	\$5,137.92	\$4,080.00	\$0.00	\$169,545.04
September	\$171,605.16	\$0.00	\$0.00	\$39,613.72	\$1,128.89	\$0.00	\$0.00	\$149,120.00
October	\$165,472.26	\$0.00	\$0.00	\$18,168.94	\$1,459.26	\$0.00	\$0.00	\$17,045.00
November	\$198,540.44	\$0.00	\$0.00	\$17,158.91	\$907.41	\$0.00	\$0.00	\$44,319.28
December	\$212,792.73	\$0.00	\$0.00	\$14,973.14	-\$233.51	\$0.00	\$0.00	\$29,808.67
2021 Totals	\$2,223,139.62	\$0.00	\$0.00	\$606,179.65	\$20,409.83	\$4,080.00	*\$8,901.14	\$3,931,706.71
2021 Total Expenses	\$2,853,809.10							

*Total interest included in revenue totals.

Note: Special fund interest rate (SSF) for May is 0.00%. The SSF rate is set by the Cash Management Policy Board. The current rate methodology is set by calculating the 12-month rolling average return on the State's short duration liquidity portfolio. However, if the liquidity portfolio return exceeds the State's total portfolio return in any given month, the rate has a cap reflecting the 12-month rolling average return on the State's total fixed income portfolio. Additionally, the interest rate has a floor of 0.00% which is applied in any month in which the special fund rate would otherwise be negative, as was the case in May. This floor prevents SSFs from losing money in times when the State's total portfolio is otherwise generating negative returns.

2021 Title V Fee Committee Status Report
May 1, 2022

Appendix B: DAQ Organizational Chart (December 31, 2021):



2021 Title V Fee Committee Status Report
May 1, 2022

Appendix C: Facility Hours and Emissions History (Page 1 of 8): As the program transitions to 2021-2023 fee cycle, we provide the most current applicable hours and emissions data for each facility billed in 2021. Expanded reporting details for CY 2021 are available upon request

Facility ID #	Company Name	Class	2021 Hours	2020 Hours	2019 Hours	2018 Hours	2017 Hours	2016 Hours	2015 Hours	Total CY 2015- 2021	2017 NO _x (TPY)	2017 PM ₁₀ (TPY)	2017 SO ₂ (TPY)	2017 VOC (TPY)	2017 Total
1000300049	1007 Market St. Condominium Association	TV	15.50	47.50	50.00	214.00	33.50	124.00	85.25	569.75	5.698	0.030	0.034	0.313	6.07
1000300073	Aearo Technologies LLC	TV	211.50	131.00	27.50	110.75	52.00	101.25	26.25	660.25	0.368	0.004	0.002	4.579	4.95
1000300131	Alfred I DuPont Hospital For Children	TV	319.50	78.00	9.50	44.25	36.50	81.00	77.50	646.25	17.808	0.428	0.373	0.902	19.51
1000300933	Allan Myers DE, Inc. Wilmington	SM	57.75	18.75	51.00	203.00	431.50	193.50	134.00	1089.50	2.059	1.878	0.271	1.214	5.42
1000100006	Allan Myers, Delaware, Inc - Dover	SM	2.50	38.00	23.75	119.25	72.00	16.50	56.25	328.25	2.072	2.009	0.294	2.590	6.97
1000500130	Allan Myers, Delaware, Inc - Georgetown	SM	7.50	313.25	118.25	15.75	65.50	32.50	39.00	591.75	1.488	1.339	0.195	1.831	4.85
1000300924	Amazon.Com	SM	3.00	11.00	62.50	2.50	0.00	62.00		141.00	0.000	1.090	0.000	0.000	1.09
1000100247	Ameresco Delaware Energy - Sandtown	TV	139.25	250.00	238.25	231.75	292.50	222.00	219.00	1592.75	31.240	10.890	4.670	69.170	115.97
1000500258	Ameresco Delaware Energy - Southern	TV	238.00	518.25	476.50	251.25	331.25	304.25	292.75	2412.25	28.540	8.420	24.720	52.840	114.52
1000300785	American Air Liquide-Glasgow	SM	52.00	54.00	40.00	88.50	44.50	15.50	2.00	296.50	0.442	0.003	0.003	0.617	1.07
1000300023	Amtrak Wilmington Maintenance Facility	TV	91.50	154.75	99.25	10.75	66.00	41.00	155.50	618.75	0.000	0.005	0.000	1.394	1.40
1000300017	Ashland Specialty Ingredients G. P.	SM	3.00	5.00	129.00	366.25	207.25	237.00	349.00	1296.50	1.893	0.081	0.061	0.898	2.93
1000300107	AstraZeneca Pharmaceuticals, LLC-Newark	SM	47.00	61.00	9.00	100.50	141.00	0.00	49.00	407.50	5.677	0.059	0.061	0.351	6.15
1000300003	BASF Color & Effects USA LLC - Newport	TV	97.25	415.50	795.00	454.00	220.00	250.50	131.50	2363.75	17.356	1.265	0.248	22.154	41.02
1000100026	Bayhealth Medical Center-Kent General Hospital	SM	52.00	55.00	26.00	18.00	68.00	33.50	41.00	293.50	4.763	0.108	0.110	3.438	8.42
1000300277	BOA - Bracebridge Corporation - Deerfield Complex	SM	53.75	4.25	54.25	98.75	26.00	65.00	0.00	302.00	1.154	0.023	0.007	0.042	1.23
1000300599	BOA-Christiana Center.	SM	116.25	1.25	0.75	2.25	5.00	35.25	0.00	160.75	0.300	0.005	0.000	0.009	0.32
											Reflects Permitted Emission Values.				

2021 Title V Fee Committee Status Report
May 1, 2022

Appendix C: Facility Hours and Emissions History (Page 2 of 8): As the program transitions to 2021-2023 fee cycle, we provide the most current applicable hours and emissions data for each facility billed in 2021. Expanded reporting details for CY 2021 are available upon request.

Facility ID #	Company Name	Class	2021 Hours	2020 Hours	2019 Hours	2018 Hours	2017 Hours	2016 Hours	2015 Hours	Total CY 2015- 2021	2017 NO _x (TPY)	2017 PM ₁₀ (TPY)	2017 SO ₂ (TPY)	2017 VOC (TPY)	2017 Total
1000300291	Buckeye Terminals - Wilmington Site	TV	46.00	173.00	66.50	345.75	226.75	94.25	293.50	1245.75	4.136	0.451	0.041	47.640	52.27
1000300317	Calpine Mid-Atlantic Generation-Christiana Energy Ctr.	TV	40.75	69.00	151.00	133.50	162.00	56.25	30.75	643.25	0.831	0.146	0.084	0.001	1.06
1000300005	Calpine Mid-Atlantic Generation-Del City Energy Ctr.	TV	37.50	65.50	112.50	65.50	141.00	50.25	25.25	497.50	0.550	0.073	0.027	0.000	0.65
1000300007	Calpine Mid-Atlantic Generation-Edge Moor	TV	149.25	170.00	225.25	421.50	310.50	453.00	356.50	2086.00	96.927	3.743	46.117	8.220	155.01
1000300388	Calpine Mid-Atlantic Generation-Hay Road	TV	209.00	132.00	400.50	289.00	176.50	511.00	594.25	2313.25	498.000	72.389	8.900	29.709	609.00
1000300006	Calpine Mid-Atlantic Generation-West Energy Center	TV	38.50	85.75	108.00	86.50	141.00	52.75	29.75	542.25	0.480	0.075	0.098	0.001	0.65
1000300600	CCI-Bracebridge I, LP	SM	222.50	118.50	50.00	1.25	4.00	32.00	0.00	428.25	2.005	0.023	0.006	0.085	2.12
1000300080	Christiana Care Health Services - Christiana Hospital	TV	665.00	232.00	193.50	126.25	492.25	199.50	121.75	2030.25	15.187	0.104	0.126	4.235	19.65
1000300024	Christiana Care Health Services - Wilmington Hospital	SM	46.25	69.00	172.25	0.00	71.50	128.75	3.00	490.75	6.560	0.073	0.075	0.711	7.42
1000100263	Christiana Materials - Farmington	SM	0.00	0.00	40.00	35.00	6.50	0.00	0.00	81.50	4.68	5.00	1.29	4.80	15.77
1000300068	Christiana Materials, LLC	SM	2.50	22.00	35.00	135.00	40.00	117.25	10.00	361.75	3.636	5.061	0.557	1.692	10.94
1000100002	City Of Dover - McKee Run Generating Sta(Cancelled)	TV	116.50	315.75	149.50	139.25	254.25	181.75	90.50	1247.50	10.735	0.080	3.125	0.498	14.44
1000100076	City Of Dover-Van Sant Generating Sta	TV	235.50	248.75	175.75	177.25	105.75	87.50	153.25	1183.75	3.415	0.010	0.015	0.063	3.50
1000300867	Clarios	TV	44.00	170.50	0.00	0.00	0.00	0.00	0.00	214.50	0.000	0.000	0.000	0.000	0.00
1000300290	Clean Earth Of New Castle Inc	TV	300.50	177.50	33.25	89.75	84.75	64.00	394.25	1144.00	5.938	0.116	9.326	0.961	16.34
1000100219	Coastal Coatings Inc - Dover	SM	4.00	0.00	0.00	0.00	7.50	3.00	3.25	17.75	0.000	0.000	0.000	3.590	3.59
1077700162	Coker Concrete Roving Crusher	SM	9.75	51.50	10.50	2.00	4.00	163.50	6.00	247.25	0.347	0.063	0.059	0.048	0.52
											Reflects Permitted Emission Values.				

2021 Title V Fee Committee Status Report
May 1, 2022

Appendix C: Facility Hours and Emissions History (Page 3 of 8): As the program transitions to 2021-2023 fee cycle, we provide the most current applicable hours and emissions data for each facility billed in 2021. Expanded reporting details for CY 2021 are available upon request.

Facility ID #	Company Name	Class	2021 Hours	2020 Hours	2019 Hours	2018 Hours	2017 Hours	2016 Hours	2015 Hours	Total CY 2015-2021	2017 NO _x (TPY)	2017 PM ₁₀ (TPY)	2017 SO ₂ (TPY)	2017 VOC (TPY)	2017 Total
1000300066	Contractors Materials LLC - Heald Street	SM	217.50	53.00	37.75	0.00	11.50	29.25	66.00	415.00	2.119	2.935	0.261	2.634	7.95
1077700800	Corrado Construction Co LLC	SM	9.00	0.50	0.00	28.50	0.00	5.50	0.00	43.50	0.000	0.000	0.000	0.000	0.00
1000300058	Croda, Inc	TV	1625.75	1150.00	806.75	654.50	628.50	602.50	463.25	5931.25	17.818	1.380	0.696	9.073	28.97
1000300351	Dana Railcare	SM	0.50	29.00	39.00	42.25	0.00	0.00	1.25	112.00	0.143	0.019	0.014	0.205	0.38
1000300365	Dassault Falcon Jet-Wilmington Corp	TV	84.00	121.00	334.75	259.25	97.75	296.50	169.00	1362.25	1.073	0.018	0.008	10.569	11.67
1000300963	Datwyler Pharma Packaging, USA Inc	SM	333.25	0.00	0.00	0.00	0.00	0.00	0.00	333.25	0.702	0.115	0.004	0.649	1.47
1000300016	Delaware City Refining Co-Delaware City	TV	3054.25	3521.75	3220.50	3794.25	3751.00	2864.75	2566.00	22772.50	1455.601	395.299	370.080	341.105	2562.08
1000300404	Delaware City Refining Co-Marketing Terminal	TV	114.25	43.25	29.00	84.00	60.50	125.25	97.75	554.00	0.119	0.013	0.001	22.698	22.83
1000100005	Delaware Hospital For The Chronically II	SM	3.00	11.75	168.00	38.25	1.50	13.50	46.50	282.50	2.139	0.038	0.037	0.117	2.33
1000300827	Delaware Park Horse Racing Track	SM	1.00	0.00	72.00	0.00	47.75	0.00	30.00	150.75	0.216	0.034	0.098	0.079	0.43
1000300415	Delaware Recyclable Products, Inc	SM	556.25	224.50	224.25	240.75	21.00	86.25	23.00	1376.00	4.840	9.224	25.406	4.000	43.47
1000300111	Delaware Solid Waste Authority, Cherry Island	TV	163.75	212.50	120.00	141.50	278.50	467.25	416.75	1800.25	13.316	3.665	12.660	4.457	34.10
1000100068	Delaware Solid Waste Authority, Sandtown	TV	93.50	49.50	109.75	170.50	48.50	25.00	141.00	637.75	1.060	0.306	0.604	9.424	11.39
1000500099	Delaware Solid Waste Authority, Southern	TV	180.00	196.00	492.00	616.50	164.00	158.25	202.25	2009.00	0.593	0.021	0.456	7.812	8.88
1000100066	Delaware State University	TV	176.00	93.50	44.00	177.25	315.00	202.25	123.25	1131.25	4.130	0.094	0.374	0.212	4.81
1000300077	Dept Of Veterans Affairs Medical Center	TV	101.00	194.00	131.25	70.00	99.25	67.50	104.50	767.50	2.166	0.019	0.029	0.161	2.38
1000300001	DHSS - Herman Holloway Campus	SM	27.00	97.50	102.50	0.00	0.00	0.00	0.00	227.00	2.24	0.17	0.01	0.12	2.54
											Reflects Permitted Emission Values.				

2021 Title V Fee Committee Status Report
May 1, 2022

Appendix C: Facility Hours and Emissions History (Page 4 of 8): As the program transitions to 2021-2023 fee cycle, we provide the most current applicable hours and emissions data for each facility billed in 2021. Expanded reporting details for CY 2021 are available upon request.

Facility ID #	Company Name	Class	2021 Hours	2020 Hours	2019 Hours	2018 Hours	2017 Hours	2016 Hours	2015 Hours	Total CY 2015- 2021	2017 NO _x (TPY)	2017 PM ₁₀ (TPY)	2017 SO ₂ (TPY)	2017 VOC (TPY)	2017 Total
1077700233	Diamond Materials LLC - Roving Crusher	SM	0.00	1.00	13.00	34.50	48.50	115.00	48.50	260.50	0.72	0.16	0.22	0.04	1.14
1000300069	Diamond Materials, LLC	SM	100.50	103.00	202.50	50.50	84.50	83.50	87.50	712.00	2.102	6.043	0.568	1.497	10.21
1000100001	Dover Air Force Base	TV	277.50	103.25	271.00	85.50	331.25	441.00	352.75	1862.25	15.593	0.534	0.423	13.673	30.22
1000100118	Dover Downs Gaming & Entertainment, Inc	SM	9.50	73.00	218.50	124.00	0.00	44.25	54.00	523.25	0.204	0.014	0.013	0.011	0.24
1000300011	DuPont Experimental Station	TV	314.25	298.50	523.25	305.25	329.00	331.00	89.75	2191.00	54.961	0.321	0.366	9.131	64.78
1000300051	DuPont Nutrition (Formerly FMC)	TV	441.00	1087.50	337.00	192.50	326.50	328.25	244.75	2957.50	21.426	12.674	0.180	2.549	36.83
1000300126	DuPont Specialty Products USA, LLC	TV	41.75	115.75	204.50	277.75	235.50	190.00	85.00	1150.25	9.060	0.066	0.076	0.796	10.00
1000300506	DXC Technology Services, LLC	SM	2.00	0.00	5.75	27.00	0.00	0.00	16.00	50.75	0.621	0.044	0.041	0.033	0.74
1000500194	Eastern Shore Natural Gas - Bridgeville	SM	167.75	16.00	26.50	155.00	97.75	8.00	74.25	545.25	4.532	0.059	0.002	0.390	4.98
1000300462	Eastern Shore Natural Gas-Delaware City	SM	241.75	67.00	71.50	141.00	0.00	156.50	365.50	1043.25	6.288	0.171	0.009	3.320	9.79
1000100127	Energy Center Dover, LLC	TV	134.00	259.50	442.00	307.25	99.75	109.25	232.00	1583.75	9.893	1.768	0.241	1.594	13.50
1000300822	First States Investors 5200	SM	16.50	3.00	37.25	1.00	0.00	0.00	25.50	83.25	0.313	0.022	0.021	0.017	0.37
1000300279	FMC Corporation Stine-Haskell Research Ctr.	TV	176.75	217.50	108.50	102.00	111.50	192.00	168.25	1076.50	8.832	0.056	0.064	2.529	11.48
1000100245	Garrison Energy Center	TV	118.00	323.50	279.75	451.00	391.50	366.75	0.00	1930.50	43.870	31.170	3.700	1.585	80.33
1000300498	GE Energy - Newark, DE	SM	179.25	31.00	20.50	98.50	69.50	161.25	51.00	611.00	0.055	0.045	0.000	3.131	3.23
1000300622	GT USA Wilmington, LLC - Cranes (new)	TV	549.00	285.75	0.00	0.00	0.00	0.00	0.00	834.75	85.26	9.40	0.42	24.08	119.16
1000100099	HandyTube Corporation	TV	44.75	61.25	164.00	29.50	55.50	27.25	47.50	429.75	0.464	0.002	0.003	1.469	1.94
											Reflects Permitted Emission Values.				

2021 Title V Fee Committee Status Report
May 1, 2022

Appendix C: Facility Hours and Emissions History (Page 5 of 8): As the program transitions to 2021-2023 fee cycle, we provide the most current applicable hours and emissions data for each facility billed in 2021. Expanded reporting details for CY 2021 are available upon request.

Facility ID #	Company Name	Class	2021 Hours	2020 Hours	2019 Hours	2018 Hours	2017 Hours	2016 Hours	2015 Hours	Total CY 2015- 2021	2017 NO _x (TPY)	2017 PM ₁₀ (TPY)	2017 SO ₂ (TPY)	2017 VOC (TPY)	2017 Total
1000100024	Hanover Foods Corporation	SM	28.50	97.50	82.00	297.50	57.00	84.00	233.00	879.50	3.131	0.020	0.019	0.170	3.34
1000300367	Heritage-Crystal Clean, LLC (Closed, 2014 Emission Data)	SM	-	9.50	1.00	0.00	0.00	0.00	145.00	155.50	1.480	0.120	0.250	12.600	14.45
1000300934	Holland Mulch, Inc	SM	44.25	0.00	26.00	5.25	2.00	54.00	0.00	131.50	9.84	1.40	0.008	0.00	11.25
1000300508	Howard R Young Correctional Institution	SM	8.00	4.00	80.50	0.00	0.00	0.00	10.50	103.00	1.329	0.037	0.036	0.072	1.47
1000300087	IKO Production Wilmington Inc	SM	45.50	276.00	371.25	92.50	2.00	1.00	157.00	945.25	3.583	4.180	0.024	5.312	13.10
1000100011	ILC Dover, LP - Frederica	SM	52.50	136.00	11.50	21.50	17.00	34.50	29.00	302.00	0.000	0.000	0.000	3.907	3.91
1000500001	Indian River Power LLC	TV	207.50	516.00	502.00	344.25	317.50	638.00	265.25	2790.50	163.110	60.698	474.581	6.480	704.87
1000300090	James T Vaughn Correctional Center - Smyrna	SM	2.00	107.00	171.25	19.00	120.00	382.00	18.25	819.50	5.146	0.081	0.080	1.047	6.35
1000300686	JP Morgan Chase - 4001 Governor Printz Blvd	SM	8.50	2.50	2.00	30.50	0.00	0.00	0.00	43.50	5.840	0.300	0.110	1.490	7.74
1000300687	JP Morgan Chase - Bear Christiana Road	SM	139.50	17.50	18.00	0.00	50.50	74.50	63.00	363.00	6.800	0.260	0.081	0.900	8.04
1000300804	JP Morgan Chase - Morgan Christiana Center	SM	22.50	7.50	0.00	0.00	0.00	0.00	24.50	54.50	6.480	0.100	0.190	0.130	6.90
1000500066	Justin Tanks, LLC	TV	155.50	111.00	149.50	163.25	157.00	92.50	113.00	941.75	0.119	0.011	0.001	4.491	4.62
1000100007	Kraft Heinz Foods Inc	SM	102.50	0.00	0.00	0.00	149.50	252.50	0.00	504.50	1.525	1.445	0.022	1.103	4.10
1000300115	Kuehne Chemical Company	TV	205.25	133.50	184.50	4.00	38.00	148.75	320.75	1034.75	1.541	0.003	0.005	0.031	1.58
1000300782	Liveo Research Inc	SM	62.00	261.25	145.25	26.00	0.00	44.50	41.50	580.50	1.818	1.124	0.011	1.819	4.77
1000300847	MAGCO Inc	SM	127.75	73.00	4.75	15.50	37.00	125.75	94.00	477.75	1.722	4.024	0.006	0.093	5.85
1000300803	McConnell Johnson - 1201 North Market	SM	5.00	29.50	4.00	0.00	0.00	5.00	65.00	108.50	0.438	0.010	0.029	0.023	0.50
											Reflects Permitted Emission Values.				

2021 Title V Fee Committee Status Report
May 1, 2022

Appendix C: Facility Hours and Emissions History (Page 6 of 8): As the program transitions to 2021-2023 fee cycle, we provide the most current applicable hours and emissions data for each facility billed in 2021. Expanded reporting details for CY 2021 are available upon request.

Facility ID #	Company Name	Class	2021 Hours	2020 Hours	2019 Hours	2018 Hours	2017 Hours	2016 Hours	2015 Hours	Total CY 2015- 2021	2017 NO _x (TPY)	2017 PM ₁₀ (TPY)	2017 SO ₂ (TPY)	2017 VOC (TPY)	2017 Total
1000300383	Medal L P, Air Liquide	SM	21.00	220.00	339.25	250.00	422.00	63.00	17.50	1332.75	2.807	0.016	0.033	16.062	18.92
1000100081	Metal Masters Foodservice Equipment Co.	SM	54.50	55.25	34.00	0.00	0.00	42.75	8.00	194.50	0.006	0.050	0.140	0.000	0.20
1000300516	Micropore, Inc	SM	5.00	56.00	43.75	2.00	0.00	0.00	14.75	121.50	0.000	0.000	0.000	3.940	3.94
1000300646	Middletown Materials, LLC	SM	19.00	54.25	122.25	3.00	346.50	52.25	16.00	613.25	5.184	0.365	0.341	0.276	6.17
1000500036	Milford Wellness Center	SM	116.50	265.50	57.00	32.50	50.50	7.00	35.50	564.50	0.982	0.118	0.022	0.493	1.62
1000300919	New Haven Packaging, LLC	SM	6.50	18.00	1.25	4.00	5.75	83.50		119.00	0.778	1.141	0.005	0.043	1.966
1000300142	News Journal Company	SM	11.50	0.00	0.00	20.50	0.00	0.00	4.50	36.50	0.000	0.000	0.000	1.060	1.06
1000300324	Noramco Inc	TV	176.75	286.75	323.75	353.50	315.25	471.25	228.25	2155.50	1.483	0.015	0.018	0.701	2.22
1000300899	OMI, Inc / City of Wilmington (REBF)	TV	85.50	173.00	226.00	305.75	526.00	251.00		1567.25	2.371	0.035	4.266	3.588	10.26
1000500011	Orient Corporation Of America	SM	143.25	11.00	191.00	7.50	152.00	97.00	25.50	627.25	3.924	0.011	0.013	0.124	4.07
1000500093	OSG Ship Management, Inc	TV	67.00	95.50	7.00	120.00	29.00	111.50	68.25	498.25	0.112	0.000	0.003	36.691	36.81
1000500133	Pats Aircraft Systems	SM	4.00	4.00	5.00	190.00	72.50	79.00	40.00	394.50	0.038	0.001	0.002	0.646	0.69
1000100075	Perdue Foods LLC- Milford	SM	134.75	25.50	3.00	2.50	2.75	31.00	23.25	222.75	5.600	0.033	0.113	0.306	6.05
1000500003	Perdue Grain & Oilseed LLC - Bridgeville	SM	19.50	28.75	127.50	94.00	99.50	96.00	32.00	497.25	5.430	36.298	0.035	0.299	42.06
1000300166	Polymer Technologies, Inc.	SM	1.00	0.00	75.25	32.00	11.75	27.25	1.00	148.25	0.439	0.010	0.003	1.314	1.76
1000300509	Port Contractors	SM	2.50	0.00	40.50	63.00	11.00	56.50	14.00	187.50	0.000	0.006	0.000	0.000	0.01
1000300288	Prince Minerals, Inc	SM	159.00	0.00	84.00	77.50	91.00	146.00	57.00	614.50	0.356	0.461	0.032	0.029	0.88
											Reflects Permitted Emission Values.				

2021 Title V Fee Committee Status Report
May 1, 2022

Appendix C: Facility Hours and Emissions History (Page 7 of 8): As the program transitions to 2021-2023 fee cycle, we provide the most current applicable hours and emissions data for each facility billed in 2021. Expanded reporting details for CY 2021 are available upon request.

Facility ID #	Company Name	Class	2021 Hours	2020 Hours	2019 Hours	2018 Hours	2017 Hours	2016 Hours	2015 Hours	Total CY 2015- 2021	2017 NO _x (TPY)	2017 PM ₁₀ (TPY)	2017 SO ₂ (TPY)	2017 VOC (TPY)	2017 Total
1000300093	Printpack, Inc	TV	92.00	132.00	72.75	94.00	330.50	14.50	278.50	1014.25	2.365	0.012	0.014	8.531	10.92
1000100004	Procter & Gamble Dover Wipes Company	SM	123.50	10.00	0.00	0.00	4.00	22.25	0.00	159.75	0.022	0.002	0.001	0.001	0.03
1000300906	PS-5 LLC (Community Education Building)	SM	46.75	0.50	3.50	1.25	3.50	115.75	24.75	196.00	12.692	0.068	0.078	0.701	13.54
1077700904	R & M Recycling	SM	3.00	0.00	0.00	10.50	55.50	0.00	9.00	78.00	0.515	0.149	0.001	0.027	0.69
1000500081	River II LLC	SM	41.50	10.50	25.00	0.00	115.50	26.50	102.00	321.00	0.432	0.009	0.011	0.099	0.55
1000300059	Rogers Corporation	SM	204.50	43.50	134.00	101.00	88.00	3.50	41.00	615.50	1.960	3.517	0.012	4.291	9.78
1000300033	Rohm & Haas Electronic Materials, Cmp, Inc	TV	250.50	387.50	70.25	188.00	599.00	646.50	642.00	2783.75	3.353	0.080	0.063	6.213	9.71
1000500009	Sea Watch International, Ltd	SM	38.00	33.00	21.00	20.50	20.00	22.50	30.00	185.00	5.210	0.027	0.031	0.287	5.56
1000300125	Siemens Healthcare Diagnostics - Glasgow	SM	5.00	5.00	132.50	143.00	104.50	91.50	189.00	670.50	8.465	0.129	0.128	0.460	9.18
1000500021	SPI Pharma, Inc	SM	73.50	67.50	36.50	34.00	61.00	95.00	41.00	408.50	2.804	0.090	0.022	0.151	3.07
1000300133	St Francis Hospital	SM	20.00	0.00	31.50	0.00	73.25	0.00	0.00	124.75	3.195	0.018	0.025	0.176	3.41
1000300930	Stratus Visuals LLC	SM	3.00	0.00	24.00	34.50	19.50	134.75		215.75	0.000	0.000	0.000	1.558	1.56
1000300021	Sunoco Partners Marketing & Terminals LP	TV	16.50	231.00	212.25	136.00	208.50	696.50	285.25	1786.00	3.980	0.002	0.030	38.820	42.83
1000300463	Think Green DE, (Advanced Pavement Group, LLC)	SM	36.00	137.50	29.50	12.50	74.00	129.50	64.75	483.75	2.770	0.366	0.133	0.121	3.39
1000300482	Transflo Terminal Service, Inc	SM	4.50	82.00	22.00	9.00	55.00	0.00	36.25	208.75	0.000	0.053	0.000	0.010	0.06
1000100259	Tri-County Materials, LLC	SM	4.50	16.00	141.25	33.00	155.00	0.50	110.75	461.00	2.630	2.960	0.290	3.730	9.61
1000300978	United Cocoa Processors, Inc. (NEW)	SM	170.50	0.00	0.00	0.00	0.00	0.00	0.00	170.50	0.000	0.000	0.000	0.000	0.00
											Reflects Permitted Emission Values.				

2021 Title V Fee Committee Status Report
May 1, 2022

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Facility ID #	Company Name	Class	2021 Hours	2020 Hours	2019 Hours	2018 Hours	2017 Hours	2016 Hours	2015 Hours	Total CY 2015- 2021	2017 NO _x (TPY)	2017 PM ₁₀ (TPY)	2017 SO ₂ (TPY)	2017 VOC (TPY)	2017 Total
1000300022	University Of Delaware, Newark	TV	196.00	174.00	157.50	108.50	60.25	210.00	121.00	1027.25	19.758	0.377	0.291	4.252	24.68
1000300673	Veolia (Chemours Company Red Lion)	TV	329.00	275.00	456.50	460.00	269.50	77.25	57.25	1924.50	18.911	0.043	55.943	0.727	75.62
1000300806	VeriSign Inc	SM	87.00	31.75	0.00	0.00	0.00	0.00	53.25	172.00	0.290	0.013	0.001	0.011	0.32
1000100152	Warren F Beasley Power Station (DEMEC)	TV	596.00	304.50	304.00	249.50	379.00	755.50	227.50	2816.00	4.048	1.299	0.084	0.231	5.66
1000300389	Wilmington Wastewater Treatment Plant	TV	82.50	64.25	232.00	18.50	93.75	64.50	212.75	768.25	4.500	0.081	0.697	0.592	5.87
											Reflects Permitted Emission Values.				